



STATE OF IDAHO

DEPARTMENT OF ENVIRONMENTAL QUALITY

APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

(IDAPA 58.01.01.200-.225)

SECTION 1: GENERAL INFORMATION

1. COMPANY AND DIVISION NAME															
2. MAILING ADDRESS		COUNTY	NUMBER OF FULL-TIME EMPLOYEES												
3. CITY	STATE	ZIP CODE	TELEPHONE NUMBER												
4. PERSON TO CONTACT			TITLE												
5. EXACT PLANT LOCATION (IDENTIFY LOCALITY, AND INCLUDE UTM COORDINATES IF KNOWN)															
6. GENERAL NATURE OF BUSINESS AND KINDS OF PRODUCTS															
7. REASON FOR APPLICATION		8. LIST ALL FACILITIES WITHIN THE STATE THAT ARE UNDER YOUR CONTROL OR UNDER COMMON CONTROL AND HAVE EMISSIONS TO THE AIR. IF NONE, SO STATE.													
<input type="checkbox"/> permit to construct a new facility		<table border="1"><thead><tr><th>NAME</th><th>LOCATION</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>		NAME	LOCATION										
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<input type="checkbox"/> permit to modify an existing source permit number _____															
<input type="checkbox"/> permit to construct a new source at an existing facility															
<input type="checkbox"/> change of owner or location permit number _____ current owner _____															
9. ESTIMATED CONSTRUCTION START DATE		ESTIMATED COMPLETION DATE													
10. NAME AND TITLE OF OWNER OR RESPONSIBLE OFFICIAL															
11. In accordance with IDAPA 58.01.01.123 (Rules for the Control of Air Pollution in Idaho), I _____, certify based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.															
SIGNATURE		DATE													

The following information, at a minimum, must be included in the application package in order for the application to be determined complete:

- < A scaled plot plan clearly showing property boundaries and stack and building locations;
- < All calculations and assumptions used to estimate emissions;
- < Manufacturer's guarantees for stated control efficiencies of all control equipment;
- < A description of potential fugitive emissions;
- < A narrative description of the facility and the process from feed material in to final product out;
- < A process flow diagram; and
- < Any other information required by the DEQ to determine the application complete.

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SECTION 2: FUEL-BURNING EQUIPMENT *(complete a separate page for each unit)*

1. APPLICANT'S REFERENCE NUMBER																																																																								
2. EQUIPMENT MANUFACTURER AND MODEL NUMBER	3. RATED HEAT INPUT CAPACITY	4. BURNER UNIT TYPE (use code)	5. HEAT USAGE % process % space heating																																																																					
6. FUEL DATA <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="width: 15%; text-align: center;">Primary</th> <th style="width: 15%; text-align: center;">Secondary</th> </tr> <tr><td style="padding: 2px;">fuel type (use code)</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent sulfur</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent ash</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent nitrogen</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent carbon</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent hydrogen</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">percent moisture</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">heat content</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td colspan="3" style="padding: 2px;"><i>(percent by weight or volume)</i></td></tr> </table>			Primary	Secondary	fuel type (use code)			percent sulfur			percent ash			percent nitrogen			percent carbon			percent hydrogen			percent moisture			heat content			<i>(percent by weight or volume)</i>			9. POLLUTION CONTROL EQUIPMENT <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="width: 15%; text-align: center;">Primary</th> <th style="width: 15%; text-align: center;">Secondary</th> </tr> <tr><td style="padding: 2px;">type</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">manufacturer</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">model number</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td style="padding: 2px;">% efficiency</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr> <tr><td colspan="3" style="padding: 2px;">MANUFACTURER GUARANTEED _____ yes _____ no</td></tr> <tr><td colspan="3" style="padding: 2px;"><i>(Include guarantee)</i></td></tr> <tr><td colspan="3" style="padding: 2px;">for wet scrubbers:</td></tr> <tr><td colspan="3" style="padding: 2px;">water flow _____ gpm</td></tr> <tr><td colspan="3" style="padding: 2px;">pressure drop _____ inches of water</td></tr> <tr><td colspan="3" style="padding: 2px;">for baghouse:</td></tr> <tr><td colspan="3" style="padding: 2px;">air/cloth ratio _____</td></tr> <tr><td colspan="3" style="padding: 2px;">pressure drop _____ inches of water</td></tr> </table>			Primary	Secondary	type			manufacturer			model number			% efficiency			MANUFACTURER GUARANTEED _____ yes _____ no			<i>(Include guarantee)</i>			for wet scrubbers:			water flow _____ gpm			pressure drop _____ inches of water			for baghouse:			air/cloth ratio _____			pressure drop _____ inches of water		
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11. CRITERIA POLLUTANT ESTIMATED EMISSIONS								---	--------	---------	------------------	-------	---------		Particulates	lb/hrr	tons/yr	Nitrogen oxides	lb/hr	tons/yr		Sulfur dioxide	lb/hr	tons/yr	Volatile organic	lb/hr	tons/yr		Carbon monoxide	lb/hr	tons/yr	compounds				<i>(Include calculations and assumptions)</i>									
FUEL CODES 1. Natural gas 2. Oil *(specify ASTM grade number)* 3. Wood *(specify chips, bark, shavings, sander dust)* 4. Coal *(specify bituminous, antracite, lignite)* 5. Other *(specify)*		BURNER CODES 1. Spreader stoker 2. Chain or traveling grate 3. Hand fired 4. Cyclone furnace 5. Wet bottom *(pulverized coal)* 6. Dry bottom *(pulverized coal)* 7. Underfeed stoker 8. Tangentially fired 9. Horizontally fired 10. Other *(specify)*																																											

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SECTION 3: PROCESS AND MANUFACTURING EQUIPMENT *(complete a separate page for each distinct process or manufacturing operation)*

1. APPLICANT'S REFERENCE NUMBER		2. PROCESS OR OPERATION NAME																																																							
3. MAXIMUM RATED INPUT CAPACITY <i>(tons/hour)*</i>	4. NORMAL MAXIMUM FEED INPUT tons/hour tons/year		5. NORMAL MAXIMUM PRODUCT OUTPUT tons/hour tons/year																																																						
6. PROCESS EQUIPMENT Type _____ Manufacturer _____ Model Number _____ Feed Material _____		10. POLLUTION CONTROL EQUIPMENT <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;"></th> <th style="width: 20%;">Primary</th> <th style="width: 20%;">Secondary</th> </tr> <tr> <td>Type</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Manufacturer</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Model Number</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>% Efficiency</td> <td>_____</td> <td>_____</td> </tr> </table>			Primary	Secondary	Type	_____	_____	Manufacturer	_____	_____	Model Number	_____	_____	% Efficiency	_____	_____																																							
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**If units other than tons, please specify.*